

In the Claims

1 (original) Non-aqueous electrophoretic capsules comprising a halogenated polymeric shell and an electrophoretic composition enclosed therein wherein said electrophoretic composition comprises charged pigment particles or pigment-containing microparticles dispersed in a dielectric solvent.

2 (original) The non-aqueous capsules of Claim 1 wherein said halogenated polymeric shell is a fluorinated polymeric shell.

3 (original) The non-aqueous capsules of Claim 1 wherein said dielectric solvent is a halogenated solvent or solvent mixture.

4 (original) The non-aqueous capsules of Claim 3 wherein said halogenated solvent is a fluorinated solvent having a fluorine content higher than 20% by weight.

5 (original) The non-aqueous capsules of Claim 4 wherein said halogenated solvent is a fluorinated solvent having a fluorine content higher than 50% by weight.

6 (currently amended) The non-aqueous capsules of Claim [[4]] 3 wherein said ~~fluorinated~~ halogenated solvent or solvent mixture comprises a perfluoropolyether or hydrofluoropolyether.

7 (currently amended) The non-aqueous capsules of Claim 6 wherein said fluoropolyether or hydrofluoropolyether is selected from ~~a~~ the group consisting of K- and E-series from Du Pont and HT- or ZT- series from Solvay Solexis.

8 (currently amended) The non-aqueous capsules of Claim 1 wherein said pigment particles or pigment-containing microparticles are TiO₂ particles or TiO₂-containing microparticles, respectively.

9 (original) The non-aqueous capsules of Claim 1 wherein said pigment-containing microparticles are TiO₂-containing microparticles that are density matched to the dielectric solvent.

10 (original) The non-aqueous capsules of Claim 1 wherein said electrophoretic composition further comprises a charge control agent.

11 (original) The non-aqueous capsules of Claim 1 wherein said electrophoretic composition further comprises a contrast colorant.

12 (original) The non-aqueous capsules of Claim 1 wherein said electrophoretic composition further comprises an additive.

13 (currently amended) The non-aqueous capsules of Claim 12 wherein the additive is a catalyst for ~~the~~a shell-forming reaction, a charge adjuvant, an electrolyte, an antioxidant, a UV stabilizer, a singlet oxygen quencher, a gas absorber, a surfactant, a protective colloid or polymeric dispersant or a rheology modifier.

14 (original) The non-aqueous capsules of Claim 13 wherein said additive is halogenated.

15 (original) The non-aqueous capsules of Claim 14 wherein said additive is fluorinated.

16-44. (canceled)

45 (currently amended) An electrophoretic display or device comprising:

- a) an arrangement of non-aqueous capsules comprising a halogenated polymeric shell and an electrophoretic composition enclosed therein wherein said electrophoretic composition comprises charged pigment particles or pigment-containing microparticles dispersed in a dielectric solvent;
- b) a binder binding the non-aqueous capsules to form a capsule layer, and
- c) a first substrate on which the ~~eapsules and binder are~~ capsule layer is coated.

46 (original) The electrophoretic display or device of Claim 45 further comprising a protective overcoat on the capsule layer.

47 (original) The electrophoretic display or device of Claim 45 further comprising a second substrate disposed onto the capsule layer.

48 (original) The electrophoretic display or device of Claim 47 wherein at least one of the two substrates is an electrode substrate.

49 (original) The electrophoretic display or device of Claim 47 wherein at least one of the two substrates is transparent.

50 (original) The electrophoretic display or device of Claim 47 wherein at least one of the substrates comprises an electrode layer facing the capsule layer.

51 (original) The electrophoretic display or device of Claim 50 wherein the substrate or electrode layer is disposed onto the capsule layer by coating, printing, vapor deposition, sputtering, lamination or a combination thereof.

52 (original) The electrophoretic display or device of Claim 46 wherein said protective overcoat comprises a particulate filler.

53 (currently amended) The electrophoretic display or device of Claim 45 further comprises an overcoat on the ~~non-capsule-coated~~ surface of the first substrate which is not coated with the capsule layer.

54 (original) The electrophoretic display or device of 53 wherein said overcoat comprises a particulate filler.

55 (currently amended) The electrophoretic display or device of Claim 47 further comprises an overcoat on the ~~non-capsule-contacted~~ surface of the second substrate which is not coated with the capsule layer.

56 (original) The electrophoretic display or device of Claim 55 wherein said overcoat comprises a particulate filler.

57 (original) The electrophoretic display or device of Claim 45 wherein said dielectric solvent is a halogenated solvent or solvent mixture.

58 (currently amended) The electrophoretic display or device of Claim 57 wherein the halogenated solvent or solvent mixture is a fluorinated solvent ~~fluorinated~~or solvent mixture having a total fluorine content higher than 20% by weight.

59 (currently amended) The electrophoretic display or device of Claim 58 wherein the halogenated solvent or solvent mixture is a fluorinated solvent ~~fluorinated~~or solvent mixture having a total fluorine content higher than 50% by weight.

60 (original) The electrophoretic display or device of Claim 58 wherein said fluorinated solvent is a perfluoropolyether or hydrofluoropolyether.

61 (original) The electrophoretic display or device of Claim 60 wherein said fluoropolyether or hydrofluoropolyether is selected from the group consisting of K- and E- series from Du Pont and HT- or ZT- series from Solvay Solexis.

62 (original) The electrophoretic display or device of Claim 45 wherein said pigment is TiO₂.

63 (currently amended) The electrophoretic ~~composition of the display or device of~~ Claim 45 wherein said electrophoretic composition further comprises a contrast colorant.

64 (currently amended) The electrophoretic ~~composition of the display or device of~~ Claim 45 wherein said electrophoretic composition further comprises a charge controlling agent.